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No. III.

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METEOROLOGICAL JOURNAL,

COMMENCING

1st JANUARY, 1848, AND ENDING 31st DECEMBER, 1848,

BY

GEORGE YEATES.

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THE instruments employed, and the general circumstances of the mode of observing, have been described in the preliminary observations to the Tables of the year 1843, in the 2nd volume of the Proceedings of the Academy, Appendix V.

VOL. IV.

C

JANUARY.						FEBRUARY.						MARCH.					
	Thermom.		Barom.	Rain.	Wind.		Thermom.		Barom.	Rain.	Wind.		Thermom.		Barom.	Rain.	Wind.
	Max.	Min.					Max.	Min.					Max.	Min.			
1	39°	22°	29.600	.060	N. W.	1	34°	22°	29.850	. . .	N. W.	1	45°	37°	28.720	.080	S.
2	46	28	29.422	.020	N. E.	2	39	29	30.122	. . .	W.	2	43	34	29.350	.060	N. W.
3	53	44	29.343	.420	S. W.	3	46	37	30.834	. . .	S. W.	3	48	32	30.072	. . .	N. W.
4	54	37	29.680	.100	N. E.	4	53	45	29.846	.035	S. W.	4	45	31	29.963	. . .	S.
5	48	35	29.442	.060	W.	5	58	53	29.900	.068	S. W.	5	52	37	29.783	.140	N. W.
6	41	31	29.770	.035	W.	6	56	52	30.066	.120	S. W.	6	43	29	29.876	. . .	E.
7	44	32	29.480	.040	W.	7	56	50	29.880	.002	S. W.	7	45	39	29.850	.730	W.
8	40	35	29.600	.002	W.	8	54	43	29.670	.025	S. W.	8	49	39	30.000	.020	W.
9	44	36	30.064	.060	E.	9	53	42	28.820	.320	S. W.	9	53	45	29.783	. . .	W.
10	38	28	30.150	. . .	E.	10	48	36	28.708	.120	W.	10	58	39	29.320	.060	N. W.
11	41	30	30.450	.070	N. W.	11	45	36	29.200	.200	N.	11	47	35	28.812	.340	N. W.
12	41	34	30.500	. . .	N. W.	12	48	34	29.658	. . .	S. W.	12	44	36	28.900	.268	N. E.
13	46	40	30.271	.002	N. W.	13	54	42	29.600	. . .	S. W.	13	46	32	29.440	. . .	N. W.
14	45	39	30.089	.002	N. W.	14	55	44	29.634	.120	S. W.	14	48	31	29.748	. . .	S. W.
15	44	31	30.089	.002	W.	15	50	37	29.450	.220	N. W.	15	47	36	29.679	.060	N. W.
16	41	32	29.871	.016	W.	16	44	27	29.824	. . .	N. W.	16	50	37	29.580	.012	E.
17	43	30	29.360	.226	N. W.	17	38	26	30.340	. . .	N.	17	47	39	29.580	.028	N. E.
18	36	25	29.300	.006	W.	18	46	29	30.128	.002	N. W.	18	43	36	29.512	.030	E.
19	41	31	29.584	.298	E.	19	46	39	29.660	.106	W.	19	45	33	28.850	.060	W.
20	41	27	29.916	.090	W.	20	49	35	29.608	.430	N.	20	45	30	28.780	.025	W.
21	37	23	30.166	.003	S. E.	21	45	35	29.632	.046	W.	21	44	30	28.989	.002	N. W.
22	38	29	29.958	. . .	S. E.	22	52	39	29.044	.198	S. W.	22	46	31	29.350	.016	E.
23	38	34	30.210	.060	N. E.	23	52	40	29.000	.140	S. W.	23	53	44	29.450	.150	N. W.
24	30	26	30.450	.036	W.	24	50	42	28.944	.156	S. W.	24	54	43	30.064	. . .	W.
25	37	28	30.450	. . .	N. E.	25	53	46	28.714	.050	S. W.	25	55	45	30.064	. . .	S.
26	35	32	30.100	. . .	N. E.	26	53	42	28.688	.146	N. E.	26	56	35	29.730	.080	W.
27	37	32	30.000	. . .	N. E.	27	55	37	28.308	.040	N. W.	27	51	31	29.650	. . .	E.
28	36	26	29.800	. . .	E. S. E.	28	54	43	28.980	.120	W.	28	50	40	29.560	.100	S. W.
29	34	21	29.652	. . .	E. S. E.	29	48	35	29.132	.080	W.	29	45	30	29.742	.120	N. W.
30	41	21	29.271	.280	N. E.							30	53	41	29.542	.008	S. W.
31	34	26	29.274	.120	N. W.							31	55	35	29.950	. . .	N. W.

APRIL.				MAY.				JUNE.			
Thermom.		Barom.	Wind.	Thermom.		Barom.	Wind.	Thermom.		Barom.	Wind.
Max.	Min.			Max.	Min.			Max.	Min.		
1	53°	30.008	S. E.	1	56°	30.042	S. E.	1	61°	29.772	W.
2	58	29.863	E.	2	58	29.980	S. E.	2	57	29.380	S. W.
3	58	29.970	W.	3	64	29.881	S. W.	3	64	29.250	W.
4	64	30.100	N. W.	4	66	30.070	S. W.	4	64	29.374	E.
5	59	29.950	N. W.	5	65	30.020	S. W.	5	63	29.510	W.
6	53	34.29.753	N. W.	6	63	30.136	N. W.	6	62	29.680	N. W.
7	48	31.29.648	N.	7	65	29.916	W.	7	61	29.650	S. W.
8	47	35.29.500	N.	8	58	29.960	W.	8	64	29.674	W.
9	47	36.29.723	N. E.	9	60	30.150	E.	9	64	29.622	W.
10	48	34.29.220	W.	10	64	30.242	E.	10	64	29.590	W.
11	47	32.29.622	S. E.	11	69	30.234	S. E.	11	66	29.740	S. E.
12	48	39.29.382	E.	12	75	30.162	W.	12	59	29.732	S. E.
13	50	39.671	E.	13	77	30.160	E.	13	65	29.500	S. W.
14	49	30.29.923	N. W.	14	76	30.239	S. E.	14	53	29.650	W.
15	51	39.29.680	S. E.	15	74	30.239	S. E.	15	64	29.740	S. E.
16	54	42.29.620	S. E.	16	74	29.839	S. W.	16	69	29.850	E.
17	55	42.29.400	S. W.	17	66	29.320	E.	17	70	29.846	N. W.
18	57	43.29.271	E.	18	60	29.300	W.	18	62	29.900	E.
19	54	44.29.032	E.	19	61	29.380	W.	19	70	30.190	W.
20	56	45.29.400	E.	20	63	30.000	W.	20	71	30.154	E.
21	58	41.29.612	N.	21	63	30.160	N. W.	21	74	30.068	E.
22	60	44.29.723	N. W.	22	69	30.350	W.	22	73	29.980	E.
23	56	45.29.782	N. E.	23	75	30.349	E.	23	68	29.700	E.
24	48	43.29.871	N. E.	24	76	30.300	N. W.	24	63	29.450	E.
25	52	39.29.950	N.	25	75	30.289	E.	25	66	29.759	E.
26	53	34.29.962	N. E.	26	79	30.102	E.	26	71	29.940	W.
27	50	31.29.808	N. W.	27	65	30.072	N.	27	68	29.674	E.
28	52	36.29.700	N. W.	28	73	30.072	N. E.	28	69	29.683	W.
29	47	31.29.918	N. N. W.	29	67	30.072	W.	29	68	29.550	W.
30	53	30.042	S. E.	30	66	30.168	N. W.	30	65	29.540	W.
				31	61	29.800	W.				

JULY.					AUGUST.					SEPTEMBER.				
	Thermom.	Barom.	Rain.	Wind.		Thermom.	Barom.	Rain.	Wind.		Thermom.	Barom.	Rain.	Wind.
	Max.	Min.				Max.	Min.				Max.	Min.		
1	62°	47°	29.740	.090	N. W.	1	70°	52°	29.350	.962	W.	1	63°	41°
2	61	45	29.742	.009	W.	2	65	47	29.300	.280	W.	2	69	54
3	64	50	29.700	.120	E.	3	66	46	29.760	.100	W.	3	66	47
4	64	49	29.991	.020	S. E.	4	61	41	29.622	.100	W.	4	68	40
5	66	46	30.039	...	S. E.	5	64	45	29.422	...	E.	5	70	55
6	71	58	29.950	.030	W.	6	65	50	29.564	.420	W.	6	67	57
7	76	59	29.643	...	W.	7	63	44	29.813	.527	W.	7	62	55
8	72	53	29.750	.220	W.	8	65	49	29.790	.100	S.	8	65	52
9	67	50	29.671	.480	E.	9	60	45	29.732	.200	N. W.	9	61	48
10	69	49	30.200	.040	W.	10	65	46	29.950	.020	W.	10	66	47
11	72	51	30.413	...	W.	11	67	47	30.012	.002	E.	11	51	38
12	74	53	30.461	...	E.	12	62	39	30.048	...	W.	12	55	45
13	78	54	30.461	...	S.	13	66	50	30.000	...	N. E.	13	55	45
14	81	61	30.400	...	S. E.	14	70	54	29.863	.100	N. E.	14	59	49
15	75	50	30.332	...	N.	15	55	51	29.828	.200	N. E.	15	63	53
16	71	55	30.330	...	N.	16	59	53	29.818	.200	S. E.	16	65	55
17	77	52	30.274	...	N. W.	17	66	52	29.650	.240	W.	17	66	50
18	65	54	30.090	...	N. E.	18	66	44	29.950	...	E.	18	63	42
19	67	56	29.433	.090	W.	19	63	51	29.584	.425	S. W.	19	60	42
20	72	55	29.050	.400	W.	20	65	48	29.840	.004	S. W.	20	69	42
21	66	57	29.521	.040	W.	21	65	50	29.064	.250	N. E.	21	59	42
22	67	62	29.600	.040	W.	22	59	45	29.492	.150	W.	22	61	47
23	65	48	29.741	.110	W.	23	59	48	29.650	.010	N. W.	23	62	54
24	70	47	29.750	.220	W.	24	61	46	29.910	.025	N. W.	24	67	53
25	68	56	29.500	.090	W.	25	61	50	29.950	.006	S. E.	25	62	50
26	65	52	29.583	...	W.	26	69	55	29.636	.025	S. W.	26	58	54
27	67	52	29.620	...	W.	27	74	54	29.724	.030	S. W.	27	58	51
28	69	50	29.963	.010	W.	28	67	52	29.650	...	S. W.	28	60	53
29	70	54	30.018	.100	S. W.	29	67	52	29.850	.006	W.	29	57	52
30	72	57	29.580	.060	W.	30	64	49	30.060	.050	N.	30	55	48
31	69	51	29.500	...	W.	31	63	46	30.151	...	W.	31	55	48

OCTOBER.										NOVEMBER.										DECEMBER.																			
Thermom.					Barom.					Rain.					Wind.					Thermom.					Barom.					Rain.					Wind.				
Max.					Min.					Max.					Min.					Max.					Min.					Max.					Min.				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31									
55°	57	56	63	64	58	67	65	66	58	58	56	55	53	50	52	46	39	44	41	38	39	40	45	43	45	43	45	43	42	43									
47°	52	44	52	58	58	54	53	50	48	48	42	45	45	42	47	42	31	33	28	34	35	35	39	41	43	45	43	42	43										
29.540	29.400	29.474	29.400	29.782	30.000	30.008	29.944	29.812	29.814	30.000	30.020	30.236	30.262	30.100	29.946	29.900	29.930	30.824	29.884	29.868	29.850	29.250	29.376	29.680	29.350	29.350	29.330	29.360	29.544										
.140	.070	.100	.080	...	...	...	...	.030	.150	...	.008	.180	.190	.220	.460	.002	.160	.029	.120	.180	.150	.110	.010	...	...	...	...	.400	...										
S. W.	S.	S. E.	N. W.	S. W.	W.	W.	W.	W.	N. W.	S. W.	S. E.	N. E.	N. E.	N. E.	N. E.	N. W.	N. E.	N. W.	N.	S.	W.	W.	N. W.	W.	S.	S. W.	S.	N. E.	W.										
.008	.090	.040	.080	...	...	...	...	.020	.036	.008	.018	.002	...	...	.035	.010	.100	...	.180	.090	.350	.010	...	...	...	...	...	.400	...										
29.650	29.826	29.500	29.808	29.700	29.680	29.716	30.184	30.376	30.450	30.522	30.584	30.500	30.460	30.528	30.280	29.642	29.950	29.440	29.500	28.973	29.000	29.820	29.700	29.700	29.874	29.882	29.816	29.900	...										
33°	35	32	39	40	45	43	46	43	43	44	46	56	44	49	46	54	53	60	54	48	50	45	47	55	50	57	51	38	...										
43°	45	42	53	53	48	49	46	43	43	44	46	56	44	49	46	54	53	60	54	48	50	45	47	55	50	57	51	38	...										
29.500	29.182	29.580	29.850	29.050	29.050	29.328	29.522	29.750	29.950	29.948	29.990	29.622	29.350	29.044	29.774	29.730	29.500	29.922	30.150	30.250	30.300	30.312	29.650	29.450	30.050	30.150	30.100	30.088	30.100										
.045	.260	.120	.200	.250	.038	.260	.040	.060	.010	...	...	.040	.380	.100	...	.060	.030	...	...	.076	...	...	...	.050	.260	.250	.068	.930	...	...									
W.	S. W.	S. W.	S. W.	S. W.	S. W.	S. W.	S. W.	S. W.	S. W.	W.	S. E.	S. W.	S. E.	S. E.	W.	S. W.	N. W.	...	S. E.	S. E.	S. E.	S. E.	N. W.	N. W.	N. W.	S. E.	S. E.	S. E.	...										

	RAIN.	MEAN TEMP.		RAIN.	MEAN TEMP.
January . . . .	2.008	35.6	July . . . . .	2.169	60.8
February . . .	2.744	43.9	August . . . .	4.443	51.3
March . . . . .	2.389	42.2	September . . .	2.520	55.3
April . . . . .	2.992	45.4	October . . . .	3.305	46.9
May . . . . .	.711	56.7	November . . .	1.477	58.2
June . . . . .	3.660	55.0	December . . .	2.667	42.6
				31.085	